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TITLE: Automatic data collection device that dynamically wedges data transmitted to data consumers

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4801786	January 1989	Stobbe	235/377
☐	4825058	April 1989	Poland	235/472
☐	5034598	July 1991	Poland	235/435
☐	5052020	September 1991	Koenck et al.	375/62

☐	5070536	December 1991	Mahany et al.	455/67
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☐	5258604	November 1993	Behrens et al.	
☐	5261079	November 1993	Celi, Jr.	395/500
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Palmer, Roger C. "Reading, Printing and Specification of Bar Code Symbols," The Bar Code Book, 2nd ed., Helmers Publishing, Inc., Peterborough, New Hampshire, 1991, p. 107.

ART-UNIT: 2876

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ABSTRACT:

A method and system for dynamically wedging data received from one or more automatic data collection ("ADC") devices on an ADC device platform into a destination application based upon wedging criteria. A dynamic wedge receives data from one or more ADC devices and automatically wedges the data into applications based upon user-provided data characteristics or a predetermined set of rules. Applicable wedging criteria used to route data include those that are user-composed and those that pertain to firmware or software characteristics. The dynamic wedge may comprise an ADC data server, ADC device handlers, ADC protocol handlers, and a wedging grid for retaining wedging directives. The ADC data server receives wedging

directives from local and remote client applications and stores the wedging directives in the wedging grid. When data arrives from an ADC device, the ADC data server analyzes the data to determine its characteristics. The ADC data server compares the identified characteristics against the wedging directives stored in the wedging grid. The ADC data server then determines for which clients a match has been found. For those clients for which a match has been found, the ADC data server then performs the wedging directive in order to dispose properly of the received ADC data.

45 Claims, 9 Drawing figures